

S1000D


ATA e-BUSINESS PROGRAM


AEROSPACE INDUSTRIES ASSOCIATION

 **ASD** AeroSpace and Defence
Industries Association of Europe

The Integrated Product Support Elements

Dave Floyd

Defense Acquisition University

Performance Based Logistics Director



S1000D User Forum 2012
June 18-21, 2012

Agenda

- Purpose
- Background
- The 12 IPS Elements
- IPS Element Integration
- The IPS Element Guidebook
- Summary

Background

ATA e-BUSINESS PROGRAM



ASD
AcroSpace and Defence
Industries Association of Europe

- In October 2009, Section 805 of Public Law 111-84 established the key leadership position of Product Support Manager (PSM) and reiterated DoD's commitment to life cycle product support management.
- By 2010, the Office of the Assistant Secretary of Defense (ASD) Logistics and Materiel Readiness (L&MR) concluded the seminal work to develop and implement a Product Support Business Model (PSBM) and published a series of Guidebooks to assist the Product Support Manager (PSM) in the execution of his or her duties. These new Guidebooks include the:
 - DoD Product Support Manager Guidebook
 - DoD Product Support Business Case Assessment (BCA) Guidebook
 - DoD Logistics Assessment (LA) Guidebook



The 12 IPS Elements

- 1 Product Support Management
- 2 Design Interface
- 3 Sustaining Engineering
- 4 Supply Support
- 5 Maintenance Planning and Management
- 6 Packaging, Handling, Storage, and Transportation (PHS&T)
- 7 Technical Data
- 8 Support Equipment
- 9 Training & Training Support
- 10 Manpower & Personnel
- 11 Facilities and Infrastructure
- 12 Computer Resources

Product Support Element Comparison

S3000L

IPS Elements

What Different?

	Product Support Management	Like ILS Management but more enterprise
Design Interface	Design Interface	No change
	Sustaining Engineering	New - extends design interface thru O&S
Supply Support and Provisioning	Supply Support	No change
Scheduled Maintenance/Maintenance Planning	Maintenance Planning & Management	Includes O&S execution responsibilities
Packaging, Handling, Storage and Transportation (PHS&T)	Packaging, Handling, Storage and Transportation (PHS&T)	No change
Technical Data/Documentation	Technical Data	No change
Support & Test Equipment	Support Equipment	Newer U.S. terminology
Training & Training Devices	Training & Training Support	Emphasis on life cycle training
Personnel and Manpower	Manpower & Personnel	No change
Facilities	Facilities & Infrastructure	Infrastructure more than brick & mortar buildings
IT/Software Support	Computer Resources	Computer Resources changed from Computer Resources Support to acknowledge more IT

10 ILS Elements



12 IPS
Elements

IPS Element Guidebook

- **The purpose of the IPS Element Guidebook is to serve as a reference guide and training aid for the Product Support Manager (PSM), Life Cycle Logisticians, and other career field professionals (e.g., cost estimators)**
- **It picks up where Appendix A of the Product Support Manager (PSM) Guidebook leaves off by:**
 - **Filling in the specifics of the PSM Activities**
 - **Increasing the number of PSM activities from 200 to over 500**
 - **Providing standard definitions for IPS Sub-Elements**
 - **Adding additional product support information (e.g., who, what, where, when, how and why)**

Content Outline

2 Design Interface

2.0.1 Objective

2.0.2 Description

Product Support Manager Activities

2.1 Design for Suitability

2.2 Human Systems Integration (HSI)

2.3 etc.,

Design Interface in the Life Cycle

A. Purpose

a. Why is Design Interface Important

b. Summary of Activities by Acquisition Phase

B. Data Item Description (DID) Deliverables

C. OSD Proponency, Policy, Regulations and Statutes

a. Proponency

b. U.S. Policy, Regulations and Statutes

D. Who Develops, Delivers and Manages Design Interface

E. When Is Design Interface Delivered and Managed in the Life Cycle

F. How Design Interface Is Developed, Established and Managed

G. Communities of Interest and Practice

H. Lessons Learned / Best Practices

I. Training Resources

J. Key References

The IPS Element Guidebook Table of Contents is aligned with the PSM Guidebook and broken out into three major areas as shown in this Design Interface example.

Summary

- **The 12 IPS Elements:**
 - **Expand upon the traditional 10 ILS elements by including Product Support Management and Sustaining Engineering elements**
 - **Include the activities needed to acquire the product support package designed to deliver system readiness and availability while optimizing system life cycle cost**
 - **Are integrated through the supportability analysis process**
 - **Are documented in the IPS Element Guidebook which includes the who, what, where, when, why and how for the major deliverables of each IPS Element by life cycle acquisition phase**
- **For more information go to:**
The IPS Element Guidebook at: <https://acc.dau.mil/ips-guidebook>